(TRANSLATION)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| W1945-00000 | FOR FURTHER ACTION | see Form PCT/ISA/220 as well as, where applicable, item 5 below. |
|--|---|--|
| International application No. PCT/JP2004/014184 | International Filing date (day/month/yea 28.09.2004 | (Earliest) Priority Date (day/month/year) 30.09.2003 |
| Applicant: NIHON MEDI-PHYS | SICS CO., LTD.et al | |
| A copy is being transmitted to the Internation This international search report consists of a | nal Bureau. | |
| the international application at translation of the interference furnished for the purpose | ernational search was carried out on the bation in the language in which it was filed mational application intoses of international search (Rules 12.3(a) e and/or amino acid sequence disclosed in | l |
| Certain claims were found ut Unity of invention is lacking | searchable (see Box No. II). (see Box No. III). | |
| 4. With regard to the title, the text is approved as subm the text has been established 5. With regard to the abstract, | itted by the applicant. by this Authority to read as follows: | |
| | according to Rule 38.2(b), by this Author | ority as it appears in Box No. IV. The applicant may, report, submit comments to this Authority. |
| as suggested by the app as selected by this Auth as selected by this Auth | ority, because the applicant failed to sugg | est a figure. |
| b. none of the figures is to be pu | glished with the abstract | |

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014184

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C07B59/00, C07C29/62, 31/2O, 227/16, 229/36, 229/48, C07H5/02//C07M5:00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C07B59/00, C07C29/62, 31/20, 227/16, 229/36, 229/48,

C07H5/02, C07M5:00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CA (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| E,X | WO 2004/082828 Al (Nihon Medi-Physics Co., Ltd.), 30 September, 2004 (30.09.04), Page 1, lines 5 to 8; page 6, line 24 to page 7, line 4 | 1-3 |
| Y | JP 7-507813 A (General Electric Co.), 31 August, 1995 (31.08.95), Claims | 1-3 |
| Y | DE KLEIJN, J.P. et al., "Labeling with reactor produced fluorine-18. III. Polymer supported fluorine-18 as a fluorinating agent", Int.J. Appl.Radiat.Isot., 1977, Vol.28, No.6, pages 591 to 594: Chemical Abstracts, 1997, Vol.87, abstract No.167671c | 1-3 |

| × | Further documents are listed in the continuation of Box C. | × | See patent family annex. | |
|--|--|---------------|---|--|
| * "A" | Special categories of cited documents: document defining the general state of the art which is not considere d to be of particular relevance | "T" | later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | |
| "E" "L" | filing date | | document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | |
| cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed | | "Y" "&" | considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | |
| | of the actual completion of the international search 17 November, 2004 (17.11.04) | Date | of mailing of the international search report 07 December, 2004 (07.12.04) | |
| | e and mailing address of the ISA/ Japanese Patent Office | Aut | norized officer | |
| Facsimile No. | | Telephone No. | | |

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/014184

| C (Continuation) |). DOCUMENTS CONSIDERED TO BE RELEVANT | |
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| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | JP 11-508923 A (COINCIDENCE S.A.); 03 August, 1999 (03.08.99), Claims; example 1 | 1-3 |
| А | JP 11-295494 A (Nihon Medi-Physics Co., Ltd.), 29 October, 1999 (29.10.99), Claims; comparative example 1 | 1-3 |
| А | WO 03/002157 A1 (AMERSHAM PLC), 09 January, 2003 (09.01.03), Page 16 | 1-3 |
| А | JP 8-325169 A (NKK Corp.), 10 December, 1996 (10.12.96), Claims | 1-3 |
| A | JP 8-325168 A (NKK Corp.), 10 December, 1996 (10.12.96), Claims | 1-3 |
| A | OHSAKI, K. et al., "Polymer-supported catalysts for efficient on-column preparation of 2-deoxy-2-[18F]fluoro-D-glucose", Applied Radiation and Isotopes, 1998, Vol.49, No.4, pages 373 to 378: Chemical Abstracts, 1998, Vol.128, abstract No.270780 | 1-3 |
| A | EP 0798307 A1 (NKK Plant Engineering Corp.), 01 October, 1997 (01.10.97), Page 7, lines 19 to 26 | 1-3 |
| А | WO 02/084402 A2 (CLARIANT INTERNATIONAL LTD.), 24 October, 2002 (24.10.02), Page 12, line 25 to page 13, line 2 | 1-3 |
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